Ozone Generator Replacement Kit

Accessory G6600-67002

Required Tools

- Short Phillips Head Screwdriver
- 2 - 7/16” Wrench
- ½” Wrench
- 1/8” Tube Cutter
- Pliers
- Wire Cutters

Prepare Detector for Ozone Generator replacement

1. Detach all gas and power connections. Move the detector to a location where the side panels can be easily removed.
2. Remove the Left (when facing the front of the Detector) side panel.
3. Remove the High Voltage Enclosure Cover Plate. The reaction cell and housing sit on the High Voltage Enclosure. The HVE Cover Plate is on the left (when facing the front of the detector) side.

Remove old Ozone Generator

1. The Ozone Generator received power from the High Voltage Transformer through two white Molex connectors. Cut both wire ties that hold the white Molex connectors in place. Detach both Molex Connectors.
2. Disconnect both 1/8” fittings (one SS, one brass) leading to the Ozone Generator. The first Nut (SS) is above the High Voltage Enclosure and attaches the Ozone Generator to the Post-Resistor. The second Nut (brass) is inside the High Voltage Enclosure and attaches the Ozone Generator to the Pre-Restrictor/Blue (Balston) Filter Assembly. Cut the SS Ferrule set off the tube that extends through the HV Enclosure. Without the Nut/Ferrule set attached, the tube can not be pulled through the hole in the HV Enclosure.

3. The Ozone Generator is held to the base of the Detector with two clamps. A third clamp fits over the top of the rear clamp which tightly secures the Ozone Generator in place. Remove this clamp to free the Ozone Generator. Lift the old Ozone Generator out of place.

Install new Ozone Generator

1. Fit the new Ozone Generator in place, long 1/8" tube toward the front of the Detector.
2. Run the long 1/8" Tube through the High Voltage Enclosure. Attach the Tube to the Post-Restrictor with the provided Stainless Steel Nut and Ferrule set.
3. Attach the short Tube to the Pre-Restrictor/Blue (Balston) Filter Assembly with the provided Brass Nut and Ferrule set.
4. Secure the Ozone Generator by fitting the third clamp (from Step 3 of Remove old Ozone Generator) over the rear clamp attached to the base. It may be necessary to use pliers for this.
5. Attach both Molex connectors that connect the Ozone Generator and High Voltage Transformer.
6. Fit both Molex connectors to the Ozone Generator with the wire ties. Tighten the connectors in place so the wires to the connectors are as far away from the chassis as possible.

Important

Failure to distance the High Voltage connections from the chassis may lead to electrical arcing which will shorten the life of the Transformer.

Prepare Detector for Operation

1. Install the High Voltage Enclosure Cover Plate. Install left side panel.
2. Move the Detector back to its original location. Re-attach all gas and power connections.

Test new Ozone Generator

1. Cap the Transfer Line
2. Take the Detector out of Stand-by mode. Adjust the front panel so it is on High Sensitivity Signal Display.
3. Turn on the Vacuum Pump. Set the Ozone Generator Air/Oxygen supply to approximately 6 psi.
4. Turn on the Ozone. The baseline signal on the front panel display should increase. If the signal does not increase, then the Ozone Generator may not be properly installed. Consult the Service Manual and/or contact Agilent for further assistance. For more information on our products and services, visit our Web site at www.agilent.com/chem.

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Agilent Technologies, Inc.
2850 Centerville Road
Wilmington, DE 19808-1610
Printed in the USA Feb 2007

G6600-90035